COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

• • • • • • • • • • • • • • • • • • • •
TYPE OF DECLARATION
This declaration is of the following type:
(check one applicable item below)
🗵 original.
☐ design.
NOTE: With the exception of a supplemental oath or declaration submitted in a reissue, a supplemental oath or declaration is not treated as an amendment under 37 CFR 1.312 (Amendments after allowance). M.P.E.P. § 714.16, 7th Edition.
□ supplemental.
NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.
☐ national stage of PCT.
NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.
NOTE: See 37 C.F.R, § 1,63(d) (continued presecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.
divisional.
☐ continuation.
NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).
INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

ULTRASTABLE POROUS ALUMINOSILICATE STRUCTURES

AND COMPOSITIONS DERIVED THEREFROM

(Declaration and Power of Attorney [1-1]-page 1 of 7)

SPECIFICATION IDENTIFICATION

the specification of which:

(complete (a), (b), or (c))

a)	X	is attached hereto.	
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NOTE: "The following combinations of information supplied in an eath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63;

> "(1) name of inventor(s), and reference to an attached specification which is both attached to the cath or declaration at the time of execution and submitted with the eath or declaration as flied; "(2) name of inventor(s), and attorney docket number which was on the specification as flied;

"(3) name of inventor(s), and title which was on the specification as filed." Notice of July 13, 1995 (1177 O.G. 60).

(b)	was filed on	, as Serial No. 0 /_	
	and was amended on .	(if applicable).	

NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration, Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 C.F.R. § 1.67.

NOTE: "The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(A) application number (consisting of the series code and the serial number, e.g., 08/123,456);

"(B) serial number and filing date:

"(C) attorney docket number which was on the specification as filed;

"(D) title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or

"© It it which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number and, policy 18/23,450), or serial number and fling date. Absart any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the investrotely executed by signing the cath or declaration."

M.P.E.P. § 601.01(a), 7th Ed.

(c)	was	described	and	claimed	in	PCT	International	Application	No.
		ded under F		, file	d c	n			d as

SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))

(complete the following where a supplemental declaration is being submitted)
☐ I hereby declare that the subject matter of the
☐ attached amendment
amendment filed on
part of my/our invention and was invented before the filing date of the original

was part of my/our invention and was invented before the filling date of the original application, above-identified, for such invention.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, \S 1.56,

(also check the following items, if desired)

- and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
 - in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 C.F.R. § 1.98.

PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d), (f) 172, and 365(a) and (b))

NOTE: 37 C.F.R. § 1.55 Claim for foreign priority.

"(a) An applicant in a nonprovisional application may claim the benefit of the filing date of one or more prior foreign applications under the conditions specified in 35 U.S.C. 119(a) through (d) and (f), 172, and 365(a) and (b).

(1)(i) in an original application filed under 35 U.S.C. 111(a), the claim for priority must be presented during the pendency of the application, and within the later of four months from the actual filing date of the prior foreign application or sixteen months from the filing date of the prior foreign application for which priority is time period is not extendable. The claim must identify the foreign application for which priority is claimed, a well as any foreign application for the same subject matter and having a filing date before that of the application for which priority is claimed, by specifying the application number, country (or intellectual property authority), day, month, and year of its filing. The time period in this paragraph does not apply to an application for a design patent.

(ii) In an application that entered the national stage from an international application after compliance with 35 U.S.C. 371, the claim for priority must be made during the pendency of the application and within the time limit set forth in the PCT and the Regulations under the PCT.

(2) The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) or PCT Rute 17 must, in any event, be filed before the patent is granted: if the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by the processing fee set forth in § 1.17(i), but the patent will not include the priority claim unless corrected by a certificate of correction under 35 U.S.C. 55 and § 1,323

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)–(d) of any foreign application(s) for patent or inventor's certificate or of any PCT International application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(Declaration and Power of Attorney [1-1]-page 3 of 7)

(complete (d) or (e))

- (d) I no such applications have been filed.
- (e) usuch applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119	
			☐ YES NO ☐	
			☐ YES NO ☐	
			☐ YES NO ☐	
			☐ YES NO ☐	
			☐ YES NO ☐	

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) (34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER	FILING DATE
/	
/	-
/	

CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. § 120

The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN PART (C-I-P) APPLICATION.

(Declaration and Power of Attorney [1-1]-page 4 of 7)

ALL FOREIGN A LICATION(S), IF ANY, FILED MORE THAN (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICA	12 MONTHS ATION

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT-filing forming the basis for this application entering the United States as (f) the national stage, or (2) a continuation, divisional, or continuation-in-part, then abs complete ANDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT applications junders 55 U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

(list name and registration number)

Ian C. McLeod - Registration No. 20,931

Mary M. Moyne - Registration No. 35,962

(check the following item, if applicable)

- I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.
- Attached, as part of this declaration and power of attorney, is the authorization
 of the above-named practitioner(s) to accept and follow instructions from my
 representative(s).

NOTE: "Special care should be taken in continuation or divisional applications to ensure that any change of correspondence address in a prior application is reflected in the continuation or divisional application. For example, where a copy of the eath or declaration from the prior application is submitted for a continuation or divisional application field under 37 CFR 1.53(t) and the copy of the eath or declaration from the prior application designates an old correspondence address, the Office may not recognize, in the continuation or divisional application, the change of correspondence address made during the prosecution of the prior application. Applicant is required to identify the change of correspondence address in the continuation or divisional application to ensure that communications from the Office are mailed to the current correspondence address. 37 CFR 1.53(6)(4) F. § 60.103, M.P.E.P., 7th Edition.

SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO: (Name and telephone number)

McLeod & Moyne, P.C. 2190 Commons Parkway Okemos, Michigan 48864 Ian C. McLeod (517) 347-4100

(complete the following if applicable)

Since this filing is a \square continuation \square divisional there is attached hereto a Change of Correspondence Address so that there will be no question as to where the PTO should direct all correspondence.

(Declaration and Power of Attorney [1-1]-page 5 of 7)

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

- NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.
- NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of clizonship. 37 CFR § 1.63a(S).
- NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alla, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Rep. 53.131. 53.142. October 10. 1997.

Full name of sole or first inventor

(GIVEN NAME)	(MIDDLE INITIAL OR)NAME)	FAMILY (OR LAST NAME)
Inventor's signature _	Thomas & Sennava	ر م
Date Dec 18, 200	Country of Citizenship	U.S.
Residence	East Lansing, Michigan	
Post Office Address _	5901 Sleepy Hollow	
	East Lansing, Michigan	48823
Full name of second j	oint inventor, if any	
WENZHONG		ZHANG
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)
Inventor's signature		
Date	Country of Citizenship	eoples Republic of China
Residence	Broken Arrow, Oklahoma	
Post Office Address	1124 S. Tamarack Avenu	ıe
	Broken Arrow, Oklahoma	74012
		
Full name of third join	t inventor, if any	
YU	,,	LIU
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)
Inventor's signature	disar	
Date	Country of Citizenship Reg	Peoples public of china
	East Lansing, Michigan	
Post Office Address	1644F Spartan Village	
	East Lansing, Michiga	n 48823

Pinnavaia

(check proper box(es) for any of the following added page(s) that form a part of this declaration)

	Signature for fourth and subsequent joint inventors. Number of pages added
	Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. <i>Number of pages added</i>
	Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. <i>Number of pages added</i>
	Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)
X	Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.
	Authorization of practitioner(s) to accept and follow instructions from representative.
ı	(if no further pages form a part of this Declaration, then end this Declaration with this page and check the following item)
	$\ \square$ This declaration ends with this page.
	(Declaration and Power of Attorney [1-1]—page 7 of 7)

Practitioner's Docket No. MSU 4.1-568

ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION

(complete this part only if this is a divisional, continuation or C-I-P application)

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

I hereby claim the benefit, under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information

It was that is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following item, if desired)

and that is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent, that occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application. (37 C.F.R. § 1.63(e)).

(also check the following item, if desired)

In compliance with this duty, there is attached an information disclosure statement,
in accordance with 37 C.F.R. § 1.98.

PRIOR U	J.S. APPL SIGNATIN	G THE	NS OR PCT INTERI U.S. FOR BENEFIT	NATIONAL UNDER 35	APPLICATE USC 120	TIONS
U.S.	APPLICA	TIONS		Sta	tus (chec	k one)
U.S. APPLIC	CATIONS	U.S.	FILING DATE	Patented	Pending	Abandone
1.09/578,3	15	May	25, 2000		x	
2.09 / 792,	017	Febr	uary 21, 2001		x	
3.0 /PCT APPL		DESIG	SNATING THE U.S.			
PCT APPLI- CATION NO.	PCT FIL DATE	ING	U.S. APPLICATION NOS. ASSIGNED (if any)			
4			0 /			
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35 USC § 119 PRIORITY CLAIM, IF ANY, FOR ABOVE LISTED U.S./PCT APPLICATIONS

ABOVE APPLICATION NO.	DETAILS OF U.S. PROVISIONAL OR FOREIGN APPLICATION FROM WHICH PRIORITY CLAIMED UNDER 35 USC § 119						
Please indicate appropriate PCT application no.	Country and Application No.	Date of filing (day, month, year)	Date of issue (day, month, year)				
1.							
2.							
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TYPE OF NONPROFIT ORGANIZATION																		
	K	Unive	sity	or oth	er instit	ution of	highe	er	ed	uca	tior	(100	cate	d in	any	COL	ıntry)	
		Tax ex	emp	t unde	r Intern	al Revenu	ue Se	erv	vice	Cod	de (26 L	J.S.(C. 50	01(a)	and	501(c)(3))
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		(Name	of S	State _				_)
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	─ Would qualify as Nonprofit Scientific or Educational under statute of state of the United States of America or would be tax exempt under the Internal Revenue Service Code (26 U.S.C. 501(a) and 26 U.S.C. 501(c)(3)) if located in the United States of America																	
		(Name	of S	State_				_			_)
		(Citatio	on of	Statu	te)
I hereby state that the nonprofit organization identified above qualifies as a nonprofit organization, as defined in 37 C.F.R. § 1.27(a)(3), for purposes of paying reduced fees to the United States Patent and Trademark Office under Sections 41(a) and (b) of Title 35, United States Code, with regard to the invention described in																		
	X	the sp	ecific	cation	filed he	erewith, v	with 1	tit	le a	ıs li	ste	d ab	ove	L				
		the ap	plica	ation id	ientified	above.												
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(Small Entity-Non-Profit [7-3]-page 1 of 3)

I hereby state that rights under contract or law have been conveyed to, and remain with, the nonprofit organization, with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who would not qualify as a person under 37 C.F.R. § 1.27(a)(1), if that person made the invention, or by any concern that would not qualify as a small business concern under 37 C.F.R. § 1.27(a)(2), or a nonprofit organization under 37 C.F.R. § 1.27(a)(3)

"NOTE: Separate statements should be obtained from each named person, concern or organization having rights to the invention as to their status as small entities.

Each such person, concern or organization having any rights in the invention is listed below:

	No such person, concern, or organization exists. Each such person, concern or organization is listed below.								
Name									
Addre	ss _								
	INDI	VIDUAL		SMALL BUSINESS CONCERN		NONPROFIT ORGANIZATION			
Name									
Addre	ss_								
	INDI	VIDUAL.	п	SMALL BUSINESS CONCERN		NONPROFIT ORGANIZATION			

I acknowledge the duty to file, in this application or patent, notification of any charge in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 C.F.R. § 1.27(g)(2))

NOTE: "The presentation to the Office (whether by signing, filling, submitting, or later actoricating of any paper by a party, whether a precibitioner on non-practitioner, constitutes a curification under \$ 10.18(b) of this chapter by a party, whether a practitioner or non-practitioner, may result in the imposition of sanctions under \$ 10.18(c) of this chapter. Any practitioner violating \$ 10.18(d) may also be subject to disciplinary action. See §\$ 10.18(d) and 10.23(c)(15), "37 C.F.R. \$ 1.46(d).

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	Norman M. Pollack, P	n D				
Name of Person Signing	Assistant Vice President for Intellectual Property					
Title in Organization	Michigan State Unive	rsity				
Address of Person Signing						
SIGNATURE	Will	12/12/01				

(Small Entity-Non-Profit [7-3]-page 3 of 3)